RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

| Application Serial Number: | 10/581,293 |
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| Source: | IFWP |
| Date Processed by STIC: | 7/17/06 |
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ENTERED



IFWP

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PATENT APPLICATION: US/10/581,293 TIME: 11:09:23

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             Reindl, Andreas
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             Freund, Annette
      6
             Schmidt, Ralf-Michael
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             Sonnewald, Uwe
             Sitt Nigel, Marc
             Lein, Wolfgang
             Bornke, Frederik
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             Deist, Kirsten
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    14 <120> TITLE OF INVENTION: Clp-protease as target for herbicides
    17 <130> FILE REFERENCE: 12810-00252-US
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/581,293
C--> 19 <141> CURRENT FILING DATE: 2006-06-01
    19 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/0013555
    20 <151> PRIOR FILING DATE: 2004-11-30
    22 <150> PRIOR APPLICATION NUMBER: EP 03027637.2
    23 <151> PRIOR FILING DATE: 2003-12-02
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| 70 Thr Lys Arg Ile Ala Phe Pro His Ala Arg Val Met Ile His Gln Pro | |
| 71 115 120 125 | |
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| 168 cac tcg aga act aaa gtc cct cag cct tct tta agc tgc gcc agc aaa | 97 |
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| 176 gcg tct aat gta aat gtt gaa ttt cac aat aga gtg tac aga agt att | 193 |
| 177 Ala Ser Asn Val Asn Val Glu Phe His Asn Arg Val Tyr Arg Ser Ile | |
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Input Set : F:\Final Sequence list-12810-00252-US.txt

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| 2/ | | | | | | | | | | | | | | | | | |
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| 34 34 34 34 34 | 1 1 3 tgt 4 Cys 5 7 aga 8 Arg | cta Leu atc | cta Leu cct Pro | aac Asn 20 aaa | 5 cct Pro | gga Gly tcg | aaa Lys aaa | aac Asn ccc Pro | ctt Leu 25 ttt | aat Asn tgc | ttc Phe gtt | cca Pro | atc Ile tct Ser | cga Arg 30 tca | aac Asn atg | cat His | |
| 34 34 34 34 34 34 | 1 1 3 tgt 4 Cys 5 7 aga 8 Arg | cta Leu atc Ile | cta Leu cct Pro 35 | aac Asn 20 aaa Lys | 5 cct Pro act Thr | gga Gly tcg Ser | aaa Lys aaa Lys | aac Asn ccc Pro 40 | ctt Leu 25 ttt Phe | aat Asn tgc Cys | ttc Phe gtt Val | cca Pro agg Arg | atc Ile tct Ser 45 | cga Arg 30 tca Ser | aac Asn atg Met | cat His agc Ser | 145 |
| 34 34 34 34 34 34 35 | 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 | cta Leu atc Ile | cta Leu cct Pro 35 aaa | aac Asn 20 aaa Lys cca | 5 cct Pro act Thr | gga Gly tcg Ser | aaa Lys aaa Lys caa | aac Asn ccc Pro 40 acc | ctt Leu 25 ttt Phe | aat Asn tgc Cys | ttc Phe gtt Val agt | cca Pro agg Arg | atc Ile tct Ser 45 tgg | cga Arg 30 tca Ser | aac Asn atg Met | cat His agc Ser | |
| 34 34 34 34 34 35 35 | 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 ttg | cta Leu atc Ile tct Ser | cta Leu cct Pro 35 aaa | aac Asn 20 aaa Lys cca | 5 cct Pro act Thr | gga Gly tcg Ser | aaa Lys aaa Lys caa Gln | aac Asn ccc Pro 40 acc | ctt Leu 25 ttt Phe | aat Asn tgc Cys | ttc Phe gtt Val agt | cca Pro agg Arg aac Asn | atc Ile tct Ser 45 tgg | cga Arg 30 tca Ser | aac Asn atg Met | cat His agc Ser | 145 |
| 34 34 34 34 34 35 35 | 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 ttg 2 Leu | cta Leu atc Ile tct Ser 50 | cta Leu cct Pro 35 aaa Lys | aac Asn 20 aaa Lys cca Pro | 5 cct Pro act Thr ccc Pro | gga Gly tcg Ser aga Arg | aaa Lys aaa Lys caa Gln 55 | aac Asn ccc Pro 40 acc | ctt Leu 25 ttt Phe tta Leu | aat Asn tgc Cys tct Ser | ttc Phe gtt Val agt Ser | cca Pro agg Arg aac Asn 60 | atc Ile tct Ser 45 tgg Trp | cga Arg 30 tca Ser gat Asp | aac Asn atg Met gta Val | cat His agc Ser tct Ser | 145 193 |
| 34 34 34 34 34 35 35 35 | 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 ttg 1 ttg 2 Leu 3 agc | cta Leu atc Ile tct Ser 50 | cta Leu cct Pro 35 aaa Lys | aac Asn 20 aaa Lys cca Pro | 5 cct Pro act Thr ccc Pro | gga Gly tcg Ser aga Arg | aaa Lys aaa Lys caa Gln 55 gtt | aac Asn ccc Pro 40 acc Thr | ctt Leu 25 ttt Phe tta Leu | aat Asn tgc Cys tct Ser | ttc Phe gtt Val agt Ser | cca Pro agg Arg aac Asn 60 tca | atc Ile tct Ser 45 tgg Trp | cga Arg 30 tca Ser gat Asp | aac Asn atg Met gta Val | cat His agc Ser tct Ser | 145 |
| 34 34 34 34 34 35 35 35 | 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 1 teu 3 agc 6 Ser | cta Leu atc Ile tct Ser 50 | cta Leu cct Pro 35 aaa Lys | aac Asn 20 aaa Lys cca Pro | 5 cct Pro act Thr ccc Pro | gga Gly tcg Ser aga Arg | aaa Lys aaa Lys caa Gln 55 gtt | aac Asn ccc Pro 40 acc Thr | ctt Leu 25 ttt Phe tta Leu | aat Asn tgc Cys tct Ser | ttc Phe gtt Val agt Ser cct | cca Pro agg Arg aac Asn 60 tca | atc Ile tct Ser 45 tgg Trp | cga Arg 30 tca Ser gat Asp | aac Asn atg Met gta Val | cat His agc Ser tct Ser agt Ser | 145 193 |
| 34 34 34 34 35 35 35 35 35 | 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 5 agc 5 Ser 7 65 | cta Leu atc Ile tct Ser 50 ttc Phe | cta Leu cct Pro 35 aaa Lys tcc ser | aac Asn 20 aaa Lys cca Pro att Ile | 5 cct Pro act Thr ccc Pro gat Asp | gga Gly tcg Ser aga Arg tcc Ser 70 | aaa Lys aaa Lys caa Gln 55 gtt Val | aac Asn ccc Pro 40 acc Thr gct Ala | ctt Leu 25 ttt Phe tta Leu caa Gln | aat Asn tgc Cys tct Ser tct | ttc Phe gtt Val agt Ser cct Pro | cca Pro agg Arg aac Asn 60 tca Ser | atc Ile tct Ser 45 tgg Trp aga Arg | cga Arg 30 tca Ser gat Asp ctc Leu | aac Asn atg Met gta Val cca Pro | cat His agc Ser tct Ser agt Ser | 145 193 241 |
| 34 34 34 34 35 35 35 35 35 | 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 agc 5 agc 6 Ser 7 65 9 ttc | cta Leu atc Ile tct Ser 50 ttc Phe | cta Leu cct Pro 35 aaa Lys tcc Ser | aac Asn 20 aaa Lys cca Pro att Ile | 5 cct Pro act Thr ccc Pro gat Asp | gga Gly tcg Ser aga Arg tcc Ser 70 | aaa Lys aaa Lys caa Gln 55 gtt Val | aac Asn ccc Pro 40 acc Thr gct Ala | ctt Leu 25 ttt Phe tta Leu caa Gln atg | aat Asn tgc Cys tct ser tct ser | ttc Phe gtt Val agt Ser cct Pro 75 ctc | cca Pro agg Arg aac Asn 60 tca Ser | atc Ile tct Ser 45 tgg Trp aga Arg | cga Arg 30 tca Ser gat Asp ctc Leu | aac Asn atg Met gta Val cca Pro | cat His agc Ser tct Ser agt Ser 80 gtc | 145 193 |
| 344 344 344 343 353 353 353 353 353 353 | 1 1 1 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 5 agc 6 Ser 7 65 9 ttc 0 Phe | cta Leu atc Ile tct Ser 50 ttc Phe | cta Leu cct Pro 35 aaa Lys tcc Ser | aac Asn 20 aaa Lys cca Pro att Ile | 5 cct Pro act Thr ccc Pro gat Asp | gga Gly tcg Ser aga Arg tcc Ser 70 | aaa Lys aaa Lys caa Gln 55 gtt Val | aac Asn ccc Pro 40 acc Thr gct Ala | ctt Leu 25 ttt Phe tta Leu caa Gln atg | aat Asn tgc Cys tct Ser tct tser ttg Leu | ttc Phe gtt Val agt Ser cct Pro 75 ctc | cca Pro agg Arg aac Asn 60 tca Ser | atc Ile tct Ser 45 tgg Trp aga Arg | cga Arg 30 tca Ser gat Asp ctc Leu | aac Asn atg Met gta Val cca Pro | cat His agc Ser tct Ser agt Ser 80 gtc | 145 193 241 |
| 344 344 344 343 353 353 353 353 363 363 | 1 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 5 agc 6 Ser 7 65 9 ttc 0 Phe 1 | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu | 5 cct Pro act Thr ccc Pro gat Asp gat Asp | gga Gly tcg ser aga Arg tcc ser 70 acc Thr | aaa Lys aaa Lys caa Gln 55 gtt Val acc | aac Asn ccc Pro 40 acc Thr gct Ala aac | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg | atc Ile tct Ser 45 tgg Trp aga Arg | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg | aac Asn atg Met gta Val cca Pro atc Ile 95 | cat His agc Ser tct Ser agt Ser 80 gtc Val | 145 193 241 289 |
| 344 344 344 343 35 35 35 35 35 36 36 36 | 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 agc 6 Ser 7 65 9 ttc 0 Phe 1 3 ttt | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu | 5 cct Pro act Thr ccc Pro gat Asp gat Asp s5 cag | gga Gly tcg ser aga Arg tcc ser 70 acc Thr | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln | cga Arg 30 tca ser gat Asp ctc Leu aga Arg | aac Asn atg Met gta Val cca Pro atc Ile 95 ata | cat His agc Ser tct Ser agt Ser ser agt Ser agt Ser | 145 193 241 |
| 344 344 344 345 355 355 355 356 366 366 366 | 1 1 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 5 agc 6 Ser 7 65 9 ttc 0 Phe 1 1 4 Phe | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct Ser | 5 cct Pro act Thr ccc Pro gat Asp gat Asp s5 cag | gga Gly tcg ser aga Arg tcc ser 70 acc Thr | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val | aac Asn atg Met gta Val cca Pro atc Ile 95 ata | cat His agc Ser tct Ser agt Ser ser agt Ser agt Ser | 145 193 241 289 |
| 344 344 344 343 353 353 353 363 363 363 363 363 | 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 ttg 1 ttg 2 Leu 3 agc 6 Ser 7 65 ettc 0 Phe 1 ttt 4 Phe 5 | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu ttg Leu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu ggt | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct Ser 100 | 5 cct Pro act Thr ccc Pro gat Asp gat Asp 85 cag Gln | gga Gly tcg Ser aga Arg tcc Ser 70 acc Thr | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn gat Asp | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met atg Met 105 | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg Thr | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu gcg Ala | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln ttg Leu | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val 110 | aac Asn atg Met gta Val cca Pro atc Ile 95 ata Ile | cat His agc Ser tct Ser agt Ser 80 gtc Val agt Ser | 145 193 241 289 |
| 344 344 344 345 355 355 355 366 366 366 366 366 | 1 1 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 5 agc 5 Ser 7 65 9 ttc 0 Phe 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu ttg Leu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu ggt Gly | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct ser 100 tta | 5 cct Pro act Thr ccc Pro gat Asp gat Asp s5 cag Gln cta | gga Gly tcg Ser aga Arg tcc Ser 70 acc Thr gtt Val | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr gat Asp | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn gat Asp | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met atg Met 105 gac | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg Thr tca | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu gcg Ala | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg gat Asp | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln ttg Leu | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val 110 att | aac Asn atg Met gta Val cca Pro atc Ile 95 ata Ile acg | cat His agc Ser tct Ser agt Ser Ser tct Ser agt Ser ctt | 145 193 241 289 |
| 344 344 344 345 355 355 355 366 366 366 366 366 | 1 1 1 1 3 tgt 4 Cys 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 agc 5 Ser 7 65 9 ttc 0 Phe 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu ttg Leu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu ggt Gly ttg Leu | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct ser 100 tta | 5 cct Pro act Thr ccc Pro gat Asp gat Asp s5 cag Gln cta | gga Gly tcg Ser aga Arg tcc Ser 70 acc Thr gtt Val | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr gat Asp | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn gat Asp | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met atg Met 105 gac | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg Thr tca | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu gcg Ala | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg gat Asp | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln ttg Leu gac Asp | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val 110 att | aac Asn atg Met gta Val cca Pro atc Ile 95 ata Ile acg | cat His agc Ser tct Ser agt Ser Ser tct Ser agt Ser ctt | 145 193 241 289 |
| 34 34 34 34 34 35 35 35 35 36 36 36 36 36 36 36 | 1 1 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 ttg 2 Leu 3 agc 6 Ser 7 65 ttc 0 Phe 1 ttt 1 Phe 5 cag 6 Gln | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu ttg Leu cta Leu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu ggt Gly ttg Leu 115 | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct Ser 100 tta Leu | 5 cct Pro act Thr ccc Pro gat Asp gat Asp Gln cta Leu | gga Gly tcg Ser aga Arg tcc Ser 70 acc Thr gtt Val gat Asp | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr gat Asp | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn gat Asp gag Glu 120 | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met atg Met 105 gac Asp | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg Thr tca Ser | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu gcg Ala gaa Glu | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg gat Asp aga Arg | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln ttg Leu gac Asp 125 | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val 110 att Ile | aac Asn atg Met gta Val cca Pro atc Ile 95 ata Ile acg Thr | cat His agc Ser tct Ser agt Ser Val agt Ser ctt Leu | 145 193 241 289 337 |
| 34 34 34 34 35 35 35 35 36 36 36 36 36 36 36 36 36 | 1 1 1 1 1 3 tgt 4 Cys 5 5 7 aga 8 Arg 9 1 ttg 2 Leu 3 agc 5 Ser 7 65 9 ttc 2 Phe 1 1 4 Phe 5 7 cag 3 Gln 9 1 ttt | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu ttg Leu cta Leu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu ggt Gly ttg Leu 115 aat | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct Ser 100 tta Leu tca | 5 cct Pro act Thr ccc Pro gat Asp gat Asp gat Leu ccc | gga Gly tcg Ser aga Arg tcc Ser 70 acc Thr gtt Val gat Asp | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr gat Asp gct Ala | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn gat Asp gag Glu 120 tct | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met atg Met 105 gac Asp | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg Thr tca ser act | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu gcg Ala gaa Glu | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg gat Asp aga Arg | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln ttg Leu gac Asp 125 atg | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val 110 att Ile | aac Asn atg Met gta Val cca Pro atc Ile acg Thr ata | cat His agc Ser tct Ser agt Ser 80 gtc Val agt Ser ctt Leu tat | 145 193 241 289 |
| 34 34 34 34 35 35 35 35 36 36 36 36 36 36 36 36 36 | 1 1 1 1 3 tgt 4 Cys 5 aga 8 Arg 9 ttg 2 Leu 3 agc 6 Ser 7 65 ttc 0 Phe 1 ttt 1 Phe 5 cag 6 Gln | cta Leu atc Ile tct Ser 50 ttc Phe gaa Glu ttg Leu cta Leu | cta Leu cct Pro 35 aaa Lys tcc Ser gaa Glu ggt Gly ttg Leu 115 aat | aac Asn 20 aaa Lys cca Pro att Ile ctc Leu tct Ser 100 tta Leu tca | 5 cct Pro act Thr ccc Pro gat Asp gat Asp gat Leu ccc | gga Gly tcg Ser aga Arg tcc Ser 70 acc Thr gtt Val gat Asp | aaa Lys aaa Lys caa Gln 55 gtt Val acc Thr gat Asp gct Ala | aac Asn ccc Pro 40 acc Thr gct Ala aac Asn gat Asp gag Glu 120 tct | ctt Leu 25 ttt Phe tta Leu caa Gln atg Met atg Met 105 gac Asp | aat Asn tgc Cys tct Ser tct Ser ttg Leu 90 acg Thr tca ser act | ttc Phe gtt Val agt Ser cct Pro 75 ctc Leu gcg Ala gaa Glu | cca Pro agg Arg aac Asn 60 tca Ser cgt Arg gat Asp aga Arg | atc Ile tct Ser 45 tgg Trp aga Arg caa Gln ttg Leu gac Asp 125 atg | cga Arg 30 tca Ser gat Asp ctc Leu aga Arg gtt Val 110 att Ile | aac Asn atg Met gta Val cca Pro atc Ile acg Thr ata | cat His agc Ser tct Ser agt Ser 80 gtc Val agt Ser ctt Leu tat | 145 193 241 289 337 |

VERIFICATION SUMMARYDATE: 07/17/2006PATENT APPLICATION: US/10/581,293TIME: 11:09:24

Input Set : F:\Final Sequence list-12810-00252-US.txt

Output Set: N:\CRF4\07172006\J581293.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date